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2 a positional information unit which receives the differential positional input data  
3 provided by a satellite-based positioning system, wherein the differential positional input  
4 data is a differential GPS data provided from a Global Positioning Satellite (GPS) unit;

5  
6 a terrain database unit, containing data of the localized terrain over which the  
7 vehicle is traveling;

8  
9 an image generation processing unit having a render engine which receives  
10 differential data from the positional information unit and the terrain database unit and  
11 which generates the 3-D virtual image representational of the terrain over which the  
12 vehicle is traveling; and

13  
14 [The system of claim 26, wherein the system further comprises:]

15 a radar information unit that provides radar data to the image generation  
16 processing unit, wherein the image generation processing unit incorporates the radar  
17 data from the radar information unit with data from the terrain database unit and the  
18 positional information unit to generate the 3-D virtual image representative of the terrain  
19 over which the vehicle is traveling.

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